O dispositivo de medições no Rio Congo

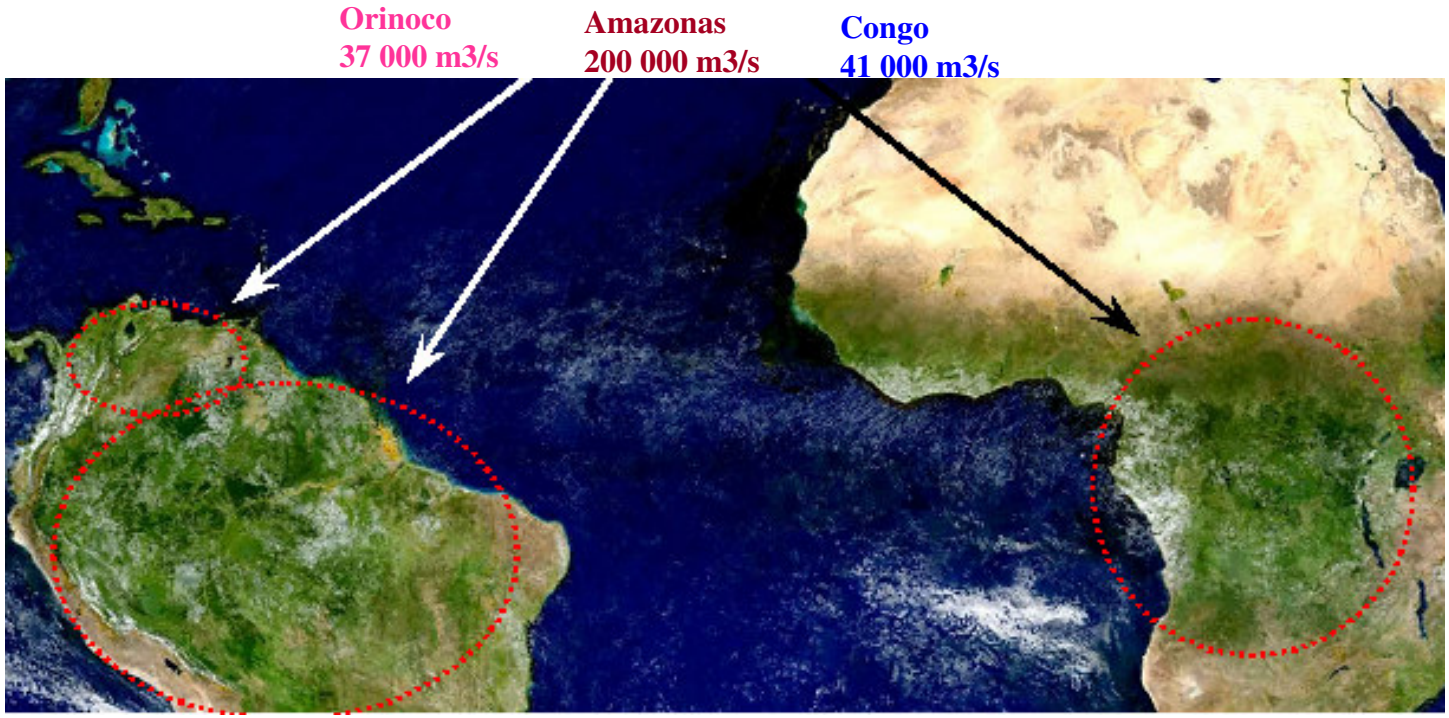
A. Pandi, A. Robert, A. Laraque

Asociaciones : (Congo-França)

- VN
- Univ. Mariem Ngouabi
- IRD

Institut de recherche
pour le développement

Porqué añadir las cuencas de los rios Orinoco y Congo ?



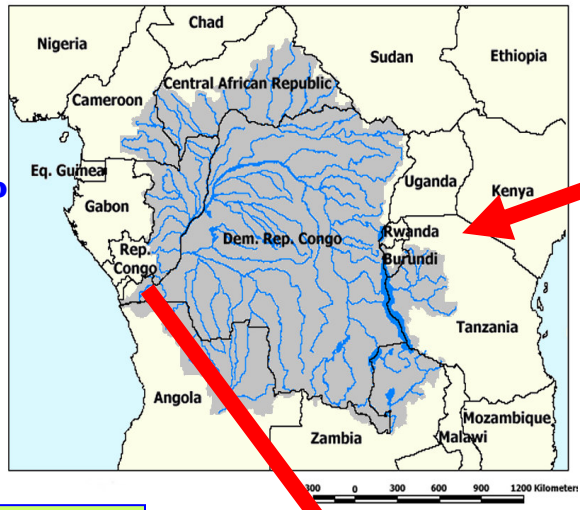
11.10⁶ km²; ¼ de los escurimientos continentales del planeta !!!

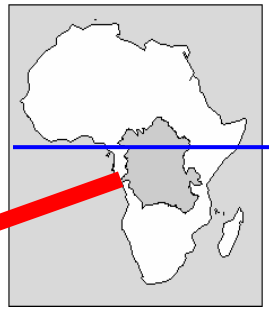
9°N-14°S

11-31°E

Selva humeda: 48%

Impacto antropico limitado





Brazzaville : 95 % superficia

3.7 x 10^6 km^2

4 700 km

1 700 mm/año

41 000 $m^3.s^{-1}$

Estudio de los flujos liquidos

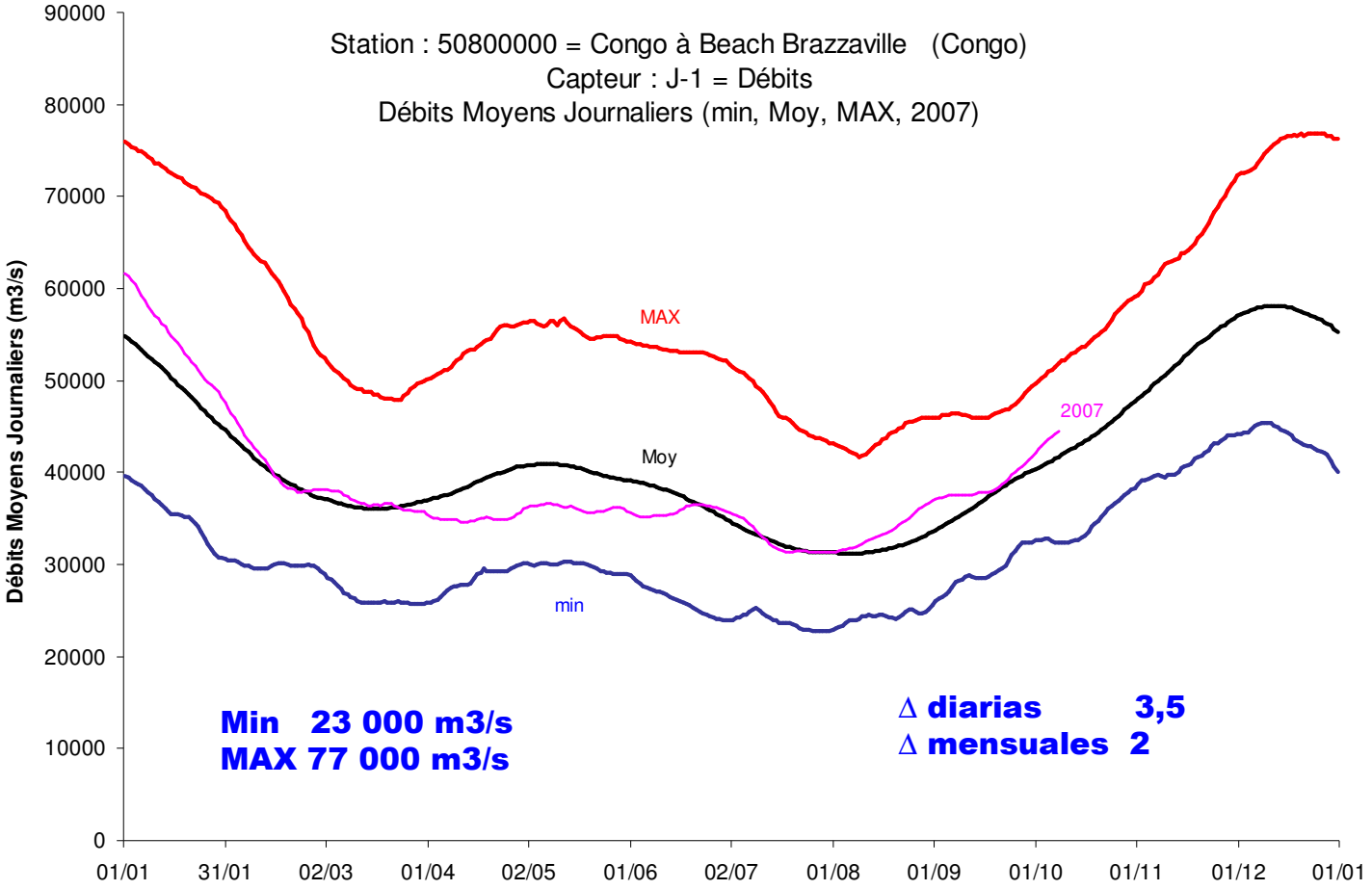
Congo : 1902; Orinoco : 1925; Amazonas : 1968

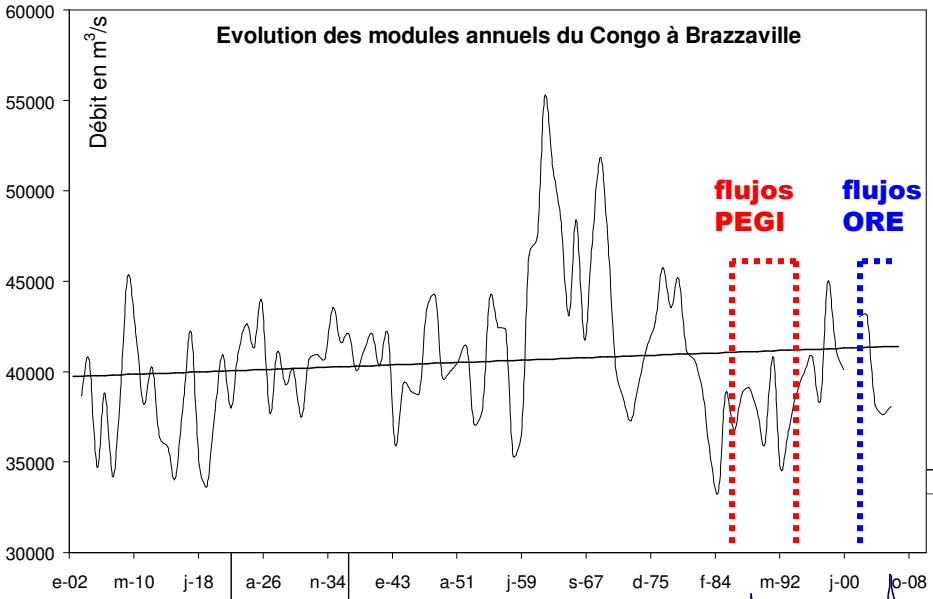
Estudio de los flujos solidos, y disueltos

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Amazonas											HiBAM								ORE/HYBAM		
Guyane F.																					
Orinoco																					
Congo				PEGI/GBF																	

16. 06. 2005

VN

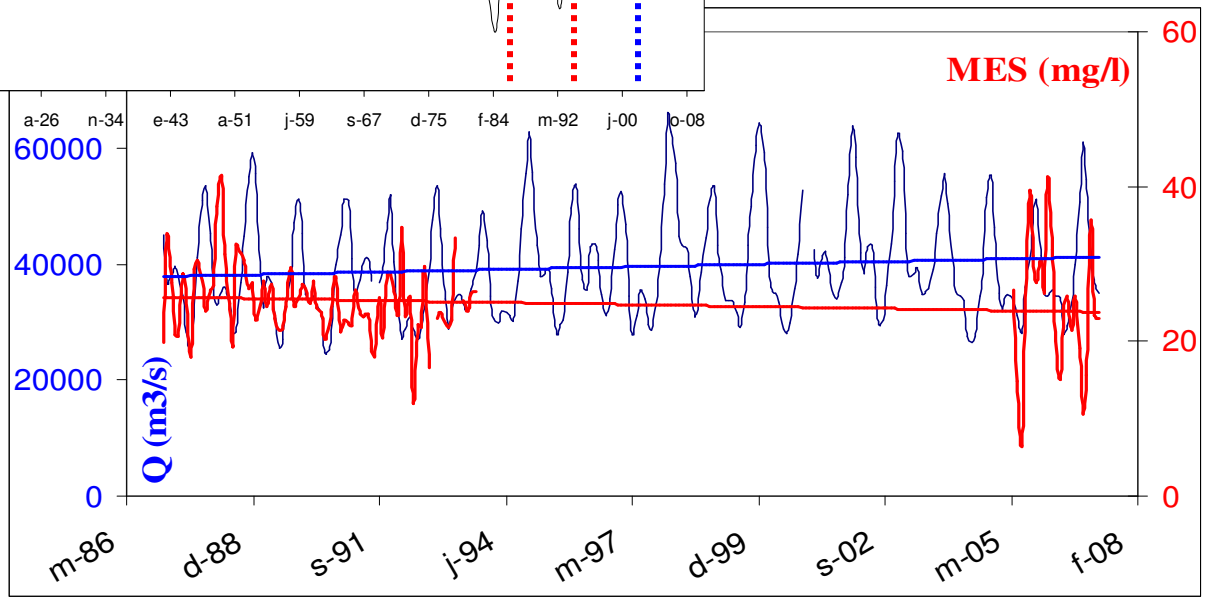

Station : 50800000 = Congo à Beach Brazzaville (Congo)
Capteur : J-1 = Débits
Débits Moyens Journaliers (min, Moy, MAX, 2007)
Débits Moyens Journaliers (m3/s)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
01/01
31/01
02/03
01/04
02/05
01/06
02/07
01/08
01/09
01/10
01/11
01/12
01/01
MAX
Moy
min
2007
Min 23 000 m3/s
MAX 77 000 m3/s
Δ diarias 3,5
Δ mensuales 2

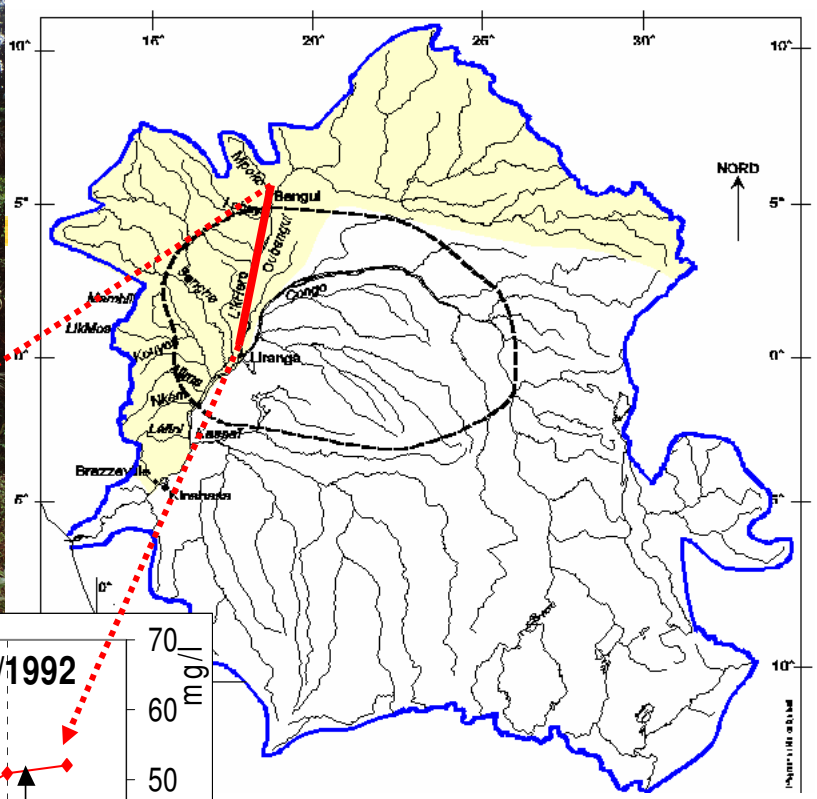


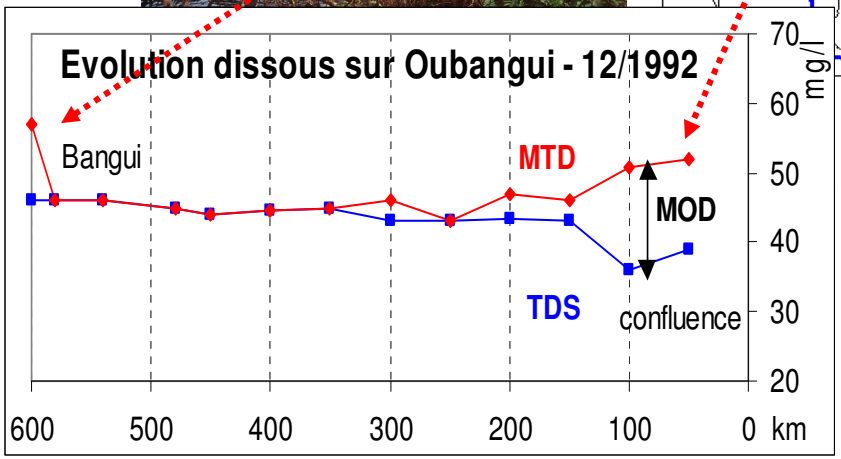
MES 25 mg/l (41 – 7)

Δ diarias MES 6

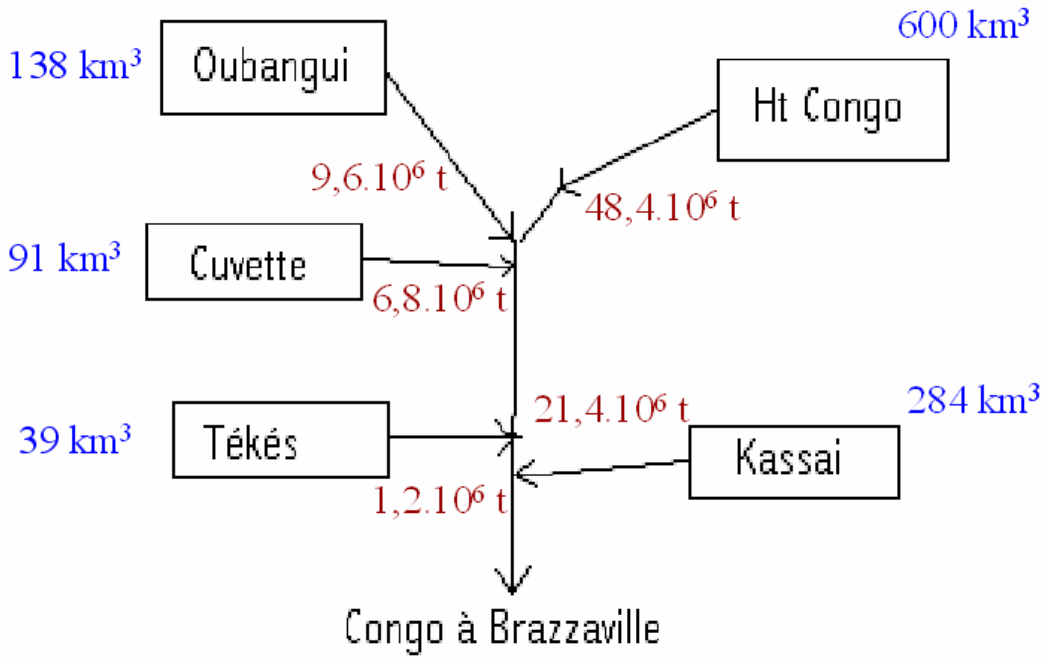
QS 950 kg/s



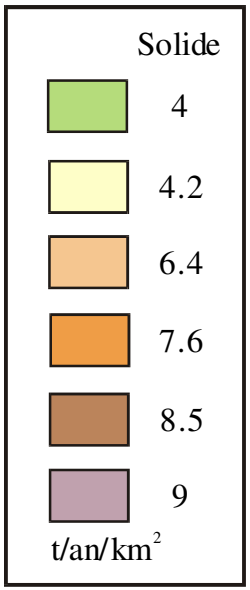

NORD
Bangui
Oubangui
Mpoko
Sangha
Likouala
Ikelemba
Likouala aux Herbes
Alima
Lefini
Kasaï
Congo
Brazzaville
Kinshasa
Liranga

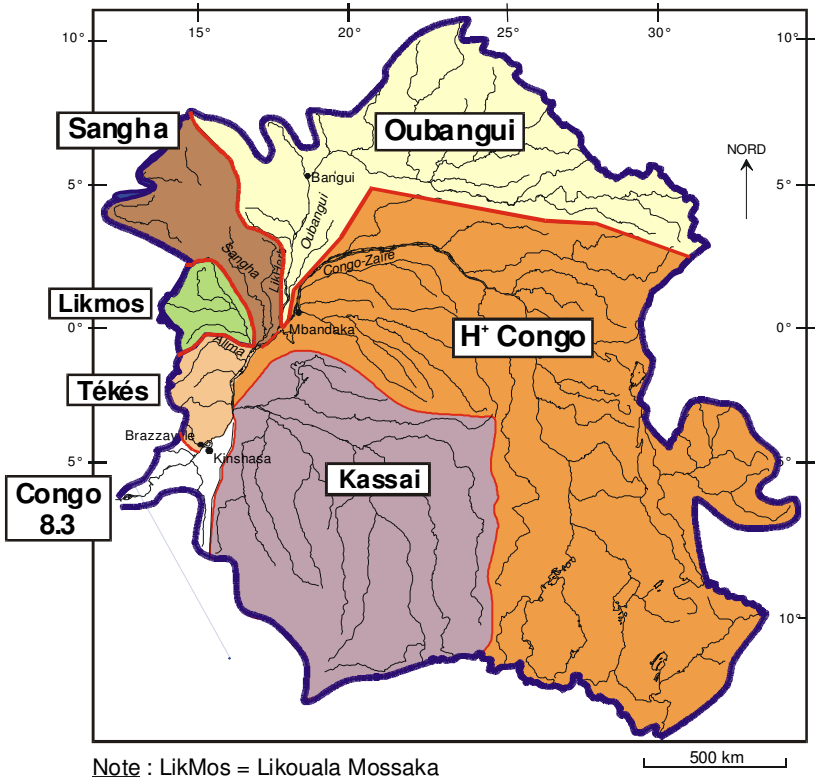

Evolution dissous sur Oubangui - 12/1992
mg/l
70
60
50
40
30
20
Bangui
MTD
MOD
TDS
confluence
600
500
400
300
200
100
0
km

Transportes anuales
en las sub-cuencas del rio Congo



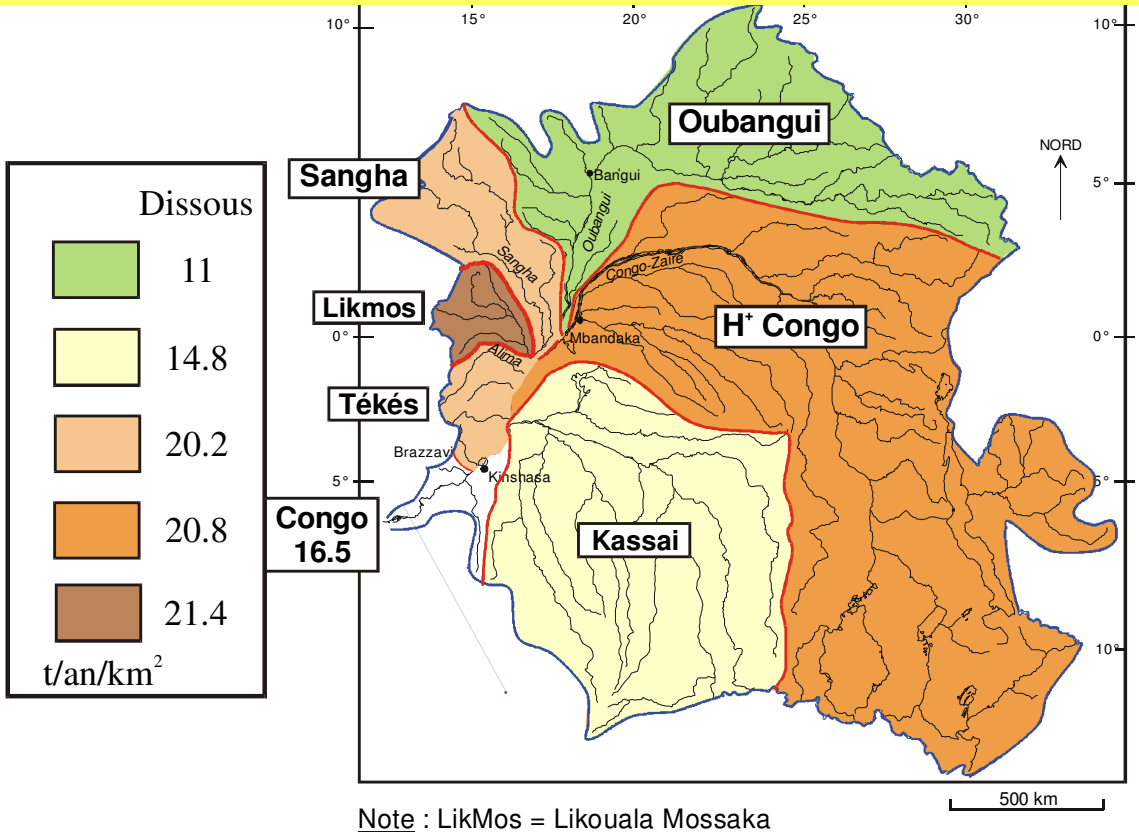
Flujos solidos especificos



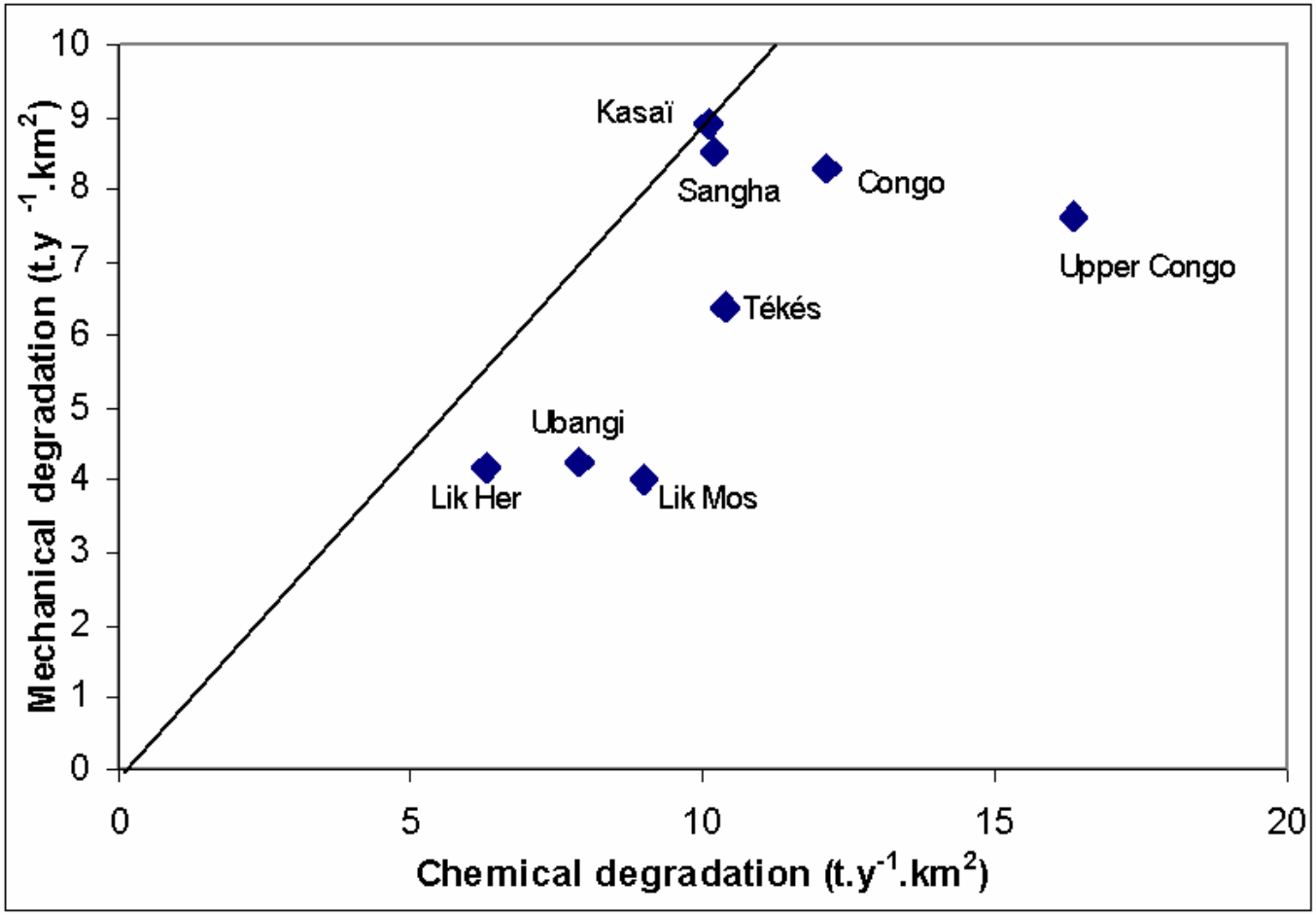


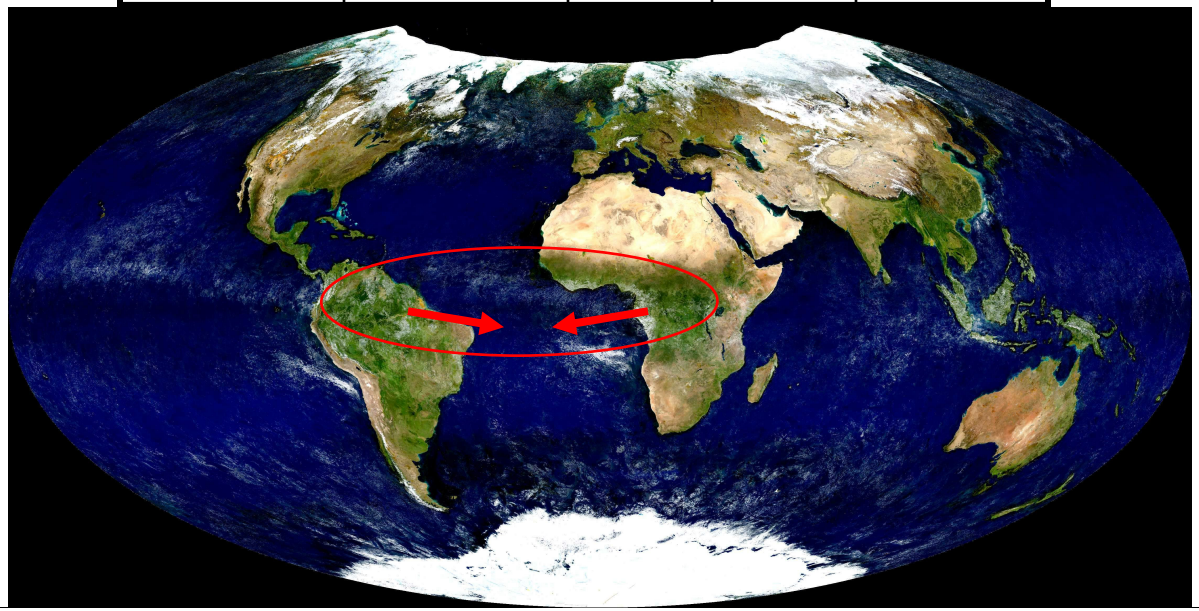
Note : LikMos = Likouala Mossaka

Flujos disueltos especificos



Note : LikMos = Likouala Mossaka


Mechanical degradation (t.y-1.km2)
Chemical degradation (t.y-1.km2)
0
1
2
3
4
5
6
7
8
9
10
0
5
10
15
20
Kasaï
Sangha
Congo
Upper Congo
Tékés
Ubangi
Lik Her
Lik Mos

Flujos transitando por las principales estaciones de control de las grandes cuencas fluviales intertropicales de la franja atlantica

Cuenca	Estacion	% cuenca	Q medio (l/s/km2)	QS (x 10^6 t/año)
Congo	Brazza	95	12	30
Orinoco	Cd.Bolivar	87	37	150
Amazonas	Obidos	75	37	800